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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,214	07/29/2003	Calvin L. Cagle	CAG-001	5313

7590 03/09/2005  
Jeffrey K. Seto  
617 Tinkerbell Rd.  
Chapel Hill, NC 27517

EXAMINER

ADAMS, GREGORY W

ART UNIT PAPER NUMBER

3652

DATE MAILED: 03/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED  
MAR 30 2005  
GROUP 3600

# Office Action Summary

Application No.

10/629,214

Applicant(s)

CAGLE, CALVIN L.

Examiner

Gregory W. Adams

Art Unit

3652

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

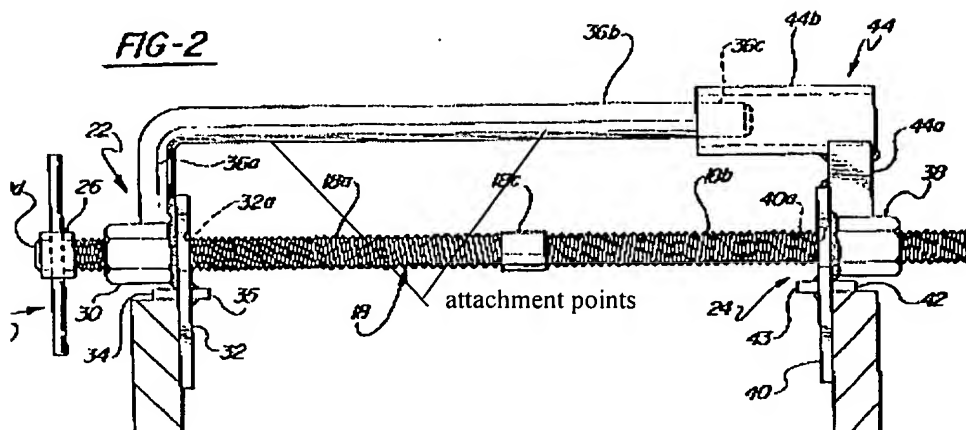
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3, 5-8 & 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Boyden et al. (US 6,234,447).

3. With respect to claim 1, referring to FIGS. 1-2 Boyden et al. disclose a device to remove a liner 10, lifting force, brace in the shape of a U, with descending left side 44a, descending right side 36a, and connecting arm 36b, an elongated screw 18 through the descending left side 44a, elongated screw handle 20, elongated screw threaded portion 18, right bracket 22, 32, 34, 35 through which the screw passes, a left bracket 24, 40, 42, 43, and left bracket nut 38.

4. With respect to claims 2 & 7, referring to FIGS. 1-2 Boyden et al. disclose a right bracket 22, 32, 34, 35 and left bracket 24, 40, 42, 43 each have an 'L' shape.

5. With respect to claim 3 & 8, referring to FIGS. 1-2 Boyden et al. disclose a brace further comprises attachment points as shown below. It is noted that a lifting force would be applied through these attachment points and could be applied manually.



6. With respect to claims 5 & 10, referring to FIGS. 1-2 Boyden et al. disclose an elongated screw 18 and right and left brackets 22, 32, 34, 35 & 24, 40, 42, 43 are made of metal.

7. With respect to claim 6, referring to FIGS. 1-2 Boyden et al. disclose a method for removing a liner a bucket wherein an elongated vice 10 comprising a brace having a right bracket 22, 32, 34, 35 and a left bracket 24, 40, 42, 43 connected by an elongated screw 18, 2

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 4 & 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boyden et al. (US 6,234,447) in view of Okada (US 5,020,963). Boyden et al. disclose a lifting device raised by a lifting force but does not disclose a forklift or crane types of lifting force. Referring to FIGS. 1-9 Okada discloses a fork lift to lift a lifting device 1 through attachment points 11. Okada teaches that a forklift facilitates transport of large containers such as drums by removable lifting devices. Col. 1, Ins. 10-25. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the lifting force of Boyden et al. to apply a lifting force delivered by a forklift, as per the teachings of Okada, to facilitate the transport by removable lifting devices of large containers such as drums.

### ***Conclusion***

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 287,721 to Gladwin

US 777,611 to Dodge

US 3,343,861 to Sinicki


US 6,505,391 to Berna

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory W. Adams whose telephone number is (703) 305-0555. The examiner can normally be reached on M-F, 8:30am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen D. Lillis can be reached on (703) 308-3248. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GWA

  
EILEEN D. LILLIS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600

<b>Notice of References Cited</b>	Application/Control No. 10/629,214	Applicant(s)/Patent Under Reexamination CAGLE, CALVIN L.	
	Examiner Gregory W. Adams	Art Unit 3652	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,234,447	05-2001	Boyden et al.	249/34
	B	US-5,020,963	06-1991	Okada, Minoru	414/607
	C	US-287,271	10-1883	Gladwin	269/244
	D	US-777,611	12-1904	Dodge	269/223
	E	US-3,343,861	09-1967	LEON SINICKI	294/81.2
	F	US-6,505,391	01-2003	Berna, Philippe Jean Henri	29/434
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.